

Test by: North Iowa F.I.R.S.T., Inc Sanborn, IA

2019 Soybeans Top 30 Harvest Report

Iowa North [IANO] LU VERNE, IA
Bob Plathe, Kossuth County, IA 50560

Early-Season Test	1.7 - 2.1 Day CRM S2019IANO01a
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Crovus
SOIL DESCRIPTION:	Clarion-Kossuth loam, mod. well drained, non-irrigated
SOIL CONDITION:	high P, medium K, 5.8 pH, 3.9% OM, 23.5 CEC
TILLAGE/CULTIVATION:	Minimum W/O Fall Till
PEST MANAGEMENT:	Roundup
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 14 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 17 133.3 /A

TEST COMMENTS:

Like everywhere else in northern Iowa, spring weather was soggy. Once planted, stands were excellent. Continued moisture through the season favored flowering and pod fill. The season ended with 24.25 inches from planting to October 1, 5 inches above the 30 year average. Windy conditions during the day of harvest dropped moisture over 2% from start until wrap up 6 hours later. Early season test was harvested first, which is why later maturities are reported dryer than earlier varieties.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
CHAMPION	2190EN	E3	2.1	R	68.4	14.1	1	134.7	580	1
FS HISOY	HS 19A50	RR2Y	1.9	R	67.2	13.7	1	137.1	570	2
LATHAM	L 2178 LLGT27	LG27	2.1	R	67.0	14.1	1	135.1	568	3
RENK	RS200NX	RRX	2.1	R	66.7	14.3	1	127.9	565	4
HEFTY	H20X0	RRX	2.0	R	66.4	13.9	1	131.2	563	5
LEGEND	LS 21X003N	RRX	2.1	R	65.7	14.0	1	128.9	557	6
TITAN PRO	20E9	E3	2.0	R	65.6	14.1	1	135.1	556	7
NORTHSTAR	NS 62115NXR2	RRX	2.1	R	65.2	14.0	1	130.4	553	9
CORNELIUS	CB20X22	RRX	2.0	R	64.8	13.8	1	127.8	550	10
NK BRAND	S20-J5X	RRX	2.0	R	64.8	14.1	1	135.4	549	12
LATHAM	L 2159 R2X	RRX	2.1	R	64.7	14.0	1	131.1	549	11
NK BRAND	S21-W8X	RRX	2.1	R	64.7	14.1	1	138.2	548	14
ASGROW	AG20X9	RRX	2.0	R	64.6	14.0	1	134.2	548	13
HEFTY	Z1800E	E3	1.8	R	64.1	14.4	1	135.6	543	16
TITAN PRO	18E9	E3	1.8	R	64.1	14.4	1	135.4	543	17
CORNELIUS	P3 2018E	E3	1.8	R	64.1	14.4	1	132.6	543	15
FS HISOY	HS 19X90	RRX	1.9	R	64.0	14.2	1	136.9	542	18
FS HISOY	HS 21X90	RRX	2.1	R	63.5	14.0	1	129.7	539	19
LATHAM	L 2084R2	RR2Y	2.0	R	63.5	14.2	1	137.9	538	21
CREDENZ	CZ 1549GTLL	LG27	1.5	R	63.5	14.1	1	133.9	538	20
KRUGER	K2X-1773	RRX	1.7	MR	62.9	14.1	1	135.4	533	22
HOEGEMEYER	1910 E	E3	1.9	R	62.8	14.1	17	132.2	532	24
HEFTY	H17X0	RRX	1.7	R	62.7	14.1	1	130.2	532	23
KRUGER	K2X-1862	RRX	1.8	R	62.5	13.9	13	131.7	530	25
PIONEER	P18A98X §	RRX	1.8	R	62.5	14.2	1	128.5	530	26
LATHAM	L 1748R2	RR2Y	1.7	R	62.4	13.9	1	133.2	529	28
CHAMPION	21X99N	RRX	2.1	R	62.4	14.2	17	136.7	529	27
CREDENZ	CZ 1859GTLL	LG27	1.8	R	62.3	14.1	1	133.6	528	30
NORTHSTAR	NS 91895NE3	E3	1.8	R	62.3	14.0	1	135.2	528	31
ASGROW	AG17X8	RRX	1.7	R	62.3	14.1	1	133.4	528	29
CROPLAN	R2C2200 CK	RR2Y	2.2	R	65.5	14.0	1	136.4	555	8

Corey Rozenboom

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Averages =	62.7	14.0	2	133.3	532
LSD (0.10) =	2.8	0.2	9		
LSD (0.25) =	1.5	0.1	5		
C.V. =	4.2				

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$8.50

Report Date: 10/23/2019

Revised: 10/23/2019 (entry correction to USB sponsored)

Additional reports available at www.firstseedtests.com

† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different

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Full-Season Test	2.2 - 2.5 Day CRM S2019IANO01b
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Crovus
SOIL DESCRIPTION:	Clarion-Kossuth loam, mod. well drained, non-irrigated
SOIL CONDITION:	high P, medium K, 5.8 pH, 3.9% OM, 23.5 CEC
TILLAGE/CULTIVATION:	Minimum W/O Fall Till
PEST MANAGEMENT:	Roundup
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 14 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 17 133.0 /A

TEST COMMENTS:

Like everywhere else in northern Iowa, spring weather was soggy. Once planted, stands were excellent. Continued moisture through the season favored flowering and pod fill. The season ended with 24.25 inches from planting to October 1, 5 inches above the 30 year average. Windy conditions during the day of harvest dropped moisture over 2% from start until wrap up 6 hours later. Early season test was harvested first, which is why later maturities are reported dryer than earlier varieties.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
GENESIS	G2181GL	LG27	2.2	R	68.7	12.6	1	132.6	584	1
FS HISOY	HS 24X80	RRX	2.4	R	68.3	11.8	1	135.1	581	2
PIONEER	P25A70R \$	RR	2.5	R	66.5	12.5	1	135.7	565	4
FS HISOY	HS 25X70	RRX	2.5	R	65.9	12.9	1	131.9	560	5
PIONEER	P24A99X \$	RRX	2.4	R	65.6	12.5	1	133.7	558	6
KRUGER	K2X-2283	RRX	2.2	R	65.3	12.4	1	131.9	555	7
LATHAM	L 2549R2X	RRX	2.5	R	65.2	11.7	1	133.9	554	8
CORNELIUS	P3 2023E	E3	2.3	R	64.9	12.3	1	131.7	552	9
NORTHSTAR	NS 62294NXR2	RRX	2.2	MR	64.9	12.2	6	131.4	552	10
CORNELIUS	CB24X64	RRX	2.4	R	64.8	13.0	1	128.3	551	11
BECKS	2559X2 GC	RRX	2.5	R	64.3	12.4	1	134.1	547	12
HEFTY	H23X0	RRX	2.3	R	64.3	11.8	1	134.1	547	13
TITAN PRO	22E8	E3	2.2	R	64.2	12.0	1	131.7	546	14
HEFTY	Z2300E	E3	2.3	R	64.0	12.0	1	131.9	544	15
CORNELIUS	P3 2022B	LG27	2.2	R	63.7	11.8	13	135.2	541	16
CREDENZ	CZ 2360GTLL	LG27	2.3	MR	63.6	12.4	1	130.9	541	17
HEFTY	H24X8	RRX	2.4	MR	63.1	12.5	1	130.5	536	18
CHAMPION	24X98N	RRX	2.4	R	62.6	12.9	1	130.7	532	19
GOLDEN HARVEST	GH2552X	RRX	2.5	MR	62.3	12.5	1	131.9	530	20
TITAN PRO	24GL9	LG27	2.4	R	62.3	12.2	1	134.1	530	21
CHAMPION	2220GTLL	LG27	2.2	R	62.0	11.8	22	132.9	527	22
RENK	RS248NX	RRX	2.4	R	61.9	12.9	1	134.9	526	23
LEGEND	LS 24LGT053N	LG27	2.4	R	61.6	12.3	1	135.1	524	24
CORNELIUS	P3 2025B	LG27	2.5	R	61.1	11.9	1	134.6	519	25
TITAN PRO	23E9	E3	2.3	R	61.0	12.6	1	135.7	518	26
LATHAM	L 2578 LLGT27	LG27	2.5	R	60.4	12.0	1	135.2	513	27
NORTHSTAR	NS 82265NLG+	LG27	2.2	R	60.1	12.2	1	135.2	511	28
RENK	RS250NX	RRX	2.5	R	60.0	12.0	1	134.2	510	29
KRUGER	K2X-2573	RRX	2.5	R	59.6	11.9	1	132.7	507	30
FS HISOY	HS 23X70	RRX	2.3	R	59.2	11.7	1	131.5	503	31
CROPLAN	R2C2200 CK	RR2Y	2.2	R	67.9	11.8	1	132.6	577	3

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Averages =	61.5	12.3	2	133.0	523
LSD (0.10) =	3.3	0.4	6		
LSD (0.25) =	1.7	0.2	3		
C.V. =	5.1				

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$8.50

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Early-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	SCN	RM
ASGROW	AG17X8	RRX	R	1.7
ASGROW	AG19X0	RRX	R	1.9
ASGROW	AG20X9	RRX	R	2.0
BECKS	2088FP	LLGT	MR	2.0
CHAMPION	2190EN	E3	R	2.1
CHAMPION	21X99N	RRX	R	2.1
CORNELIUS	CB20X22	RRX	R	2.0
CORNELIUS	CB21X55	RRX	R	2.1
CORNELIUS	P3 2018E	E3	R	1.8
CREDENZ	CZ 1549GTLL	LG27	R	1.5
CREDENZ	CZ 1850GTLL	LG27	MR	1.8
CREDENZ	CZ 1859GTLL	LG27	R	1.8
CREDENZ	CZ 2040GTLL	LG27	R	2.0
CROPLAN	R2C2200 CK	RR2Y	R	2.2
FS HISOY	HS 18X70	RRX	R	1.8
FS HISOY	HS 19A50	RR2Y	R	1.9
FS HISOY	HS 19X90	RRX	R	1.9
FS HISOY	HS 21X90	RRX	R	2.1
GENESIS	G2140E	E3	R	2.1
HEFTY	H17X0	RRX	R	1.7
HEFTY	H20X0	RRX	R	2.0
HEFTY	Z1800E	E3	R	1.8
HEFTY	Z1900E	E3	R	1.9
HOEGEMEYER	1910 E	E3	R	1.9
KRUGER	K2X-1773	RRX	MR	1.7
KRUGER	K2X-1862	RRX	R	1.8
KRUGER	K2X-2052	RRX	R	2.0
KRUGER	K2X-2073	RRX	R	2.0
LATHAM	L 1748R2	RR2Y	R	1.7
LATHAM	L 2084R2	RR2Y	R	2.0
LATHAM	L 2159 R2X	RRX	R	2.1
LATHAM	L 2178 LLGT27	LG27	R	2.1
LEGEND	LS 21X003N	RRX	R	2.1
NK BRAND	S14-U9X	RRX	MR	1.4
NK BRAND	S20-J5X	RRX	R	2.0
NK BRAND	S21-W8X	RRX	R	2.1

Company/Brand	Brand/Product	Technology	RM	SCN
NORTHSTAR	NS 62115NXR2	RRX	R	2.1
NORTHSTAR	NS 82024NLG+	LG27	R	2.0
NORTHSTAR	NS 91895NE3	E3	R	1.8
PIONEER	P18A98X §	RRX	R	1.8
RENK	RS200NX	RRX	R	2.1
TITAN PRO	18E9	E3	R	1.8
TITAN PRO	19E8	E3	R	1.9
TITAN PRO	20E9	E3	R	2.0
TITAN PRO	20GL8	LG27	R	2.0

Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	SCN	RM
ASGROW	AG25X0	RRX	R	2.5
BECKS	2559X2 GC	RRX	R	2.5
CHAMPION	2220GTLL	LG27	R	2.2
CHAMPION	24X98N	RRX	R	2.4
CORNELIUS	CB24X64	RRX	R	2.4
CORNELIUS	P3 2022B	LG27	R	2.2
CORNELIUS	P3 2023E	E3	R	2.3
CORNELIUS	P3 2025B	LG27	R	2.5
CREDENZ	CZ 2360GTLL	LG27	MR	2.3
CREDENZ	CZ 2550GTLL	LG27	MR	2.5
CREDENZ	CZ 2579GTLL	LG27	MR	2.5
CROPLAN	R2C2200 CK	RR2Y	R	2.2
FS HISOY	HS 22X90	RRX	R	2.2
FS HISOY	HS 23X70	RRX	R	2.3
FS HISOY	HS 24X80	RRX	R	2.4
FS HISOY	HS 25X70	RRX	R	2.5
GENESIS	G2181GL	LG27	R	2.2
GENESIS	G2340E	E3	R	2.3
GOLDEN HARVEST	GH2552X	RRX	MR	2.5
HEFTY	H23X0	RRX	R	2.3
HEFTY	H24X8	RRX	MR	2.4
HEFTY	H25E0	E3	R	2.5
HEFTY	Z2300E	E3	R	2.3
KRUGER	K2X-2283	RRX	R	2.2
KRUGER	K2X-2573	RRX	R	2.5
LATHAM	L 2395 LLGT27	LG27	R	2.3
LATHAM	L 2429 E3	E3	R	2.4
LATHAM	L 2549R2X	RRX	R	2.5
LATHAM	L 2578 LLGT27	LG27	R	2.5
LEGEND	LS 23E052N	E3	R	2.3
LEGEND	LS 24LGT053N	LG27	R	2.4
NK BRAND	S25-B6X	RRX	R	2.5
NK BRAND	S25-V8X	RRX	MR	2.5
NORTHSTAR	NS 62294NXR2	RRX	MR	2.2
NORTHSTAR	NS 82265NLG+	LG27	R	2.2
NORTHSTAR	NS 92335NE3	E3	R	2.3

Company/Brand	Brand/Product	Technology	RM	SCN
PIONEER	P24A99X §	RRX	R	2.4
PIONEER	P25A70R §	RR	R	2.5
RENK	RS248NX	RRX	R	2.4
RENK	RS250NX	RRX	R	2.5
STINE	25GA62	LG27	R	2.5
TITAN PRO	22E8	E3	R	2.2
TITAN PRO	23E9	E3	R	2.3
TITAN PRO	24GL9	LG27	R	2.4
TITAN PRO	25E8	E3	R	2.5

Footnotes and Abbreviations Descriptions

Brand Footnotes

CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.
§	United Soybean Board sponsored entry

Soybean Cyst Nematode (SCN) Resistance Rating

S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

Soybeans Technologies*

E3	Enlist E3™
G27	GT27™
LL	LibertyLink®
None	Conventional, non-GMO
RR	Glyphosate tolerant
RR2Y	Genuity® Roundup Ready 2 Yield®
RRX	Roundup Ready 2 Xtend®
ST	Sulfonylurea herbicide tolerant
